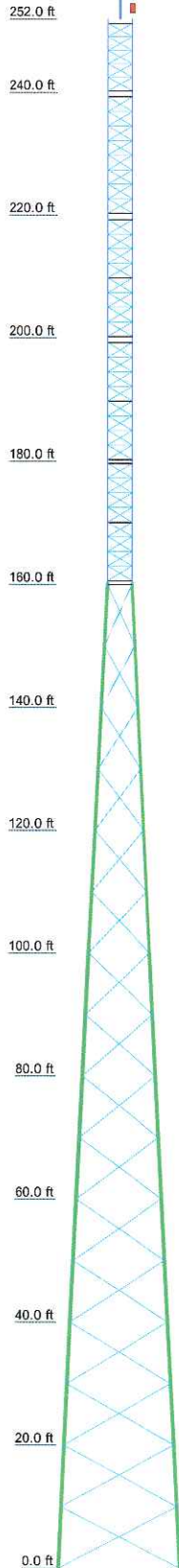


Section	T12	T11	T10	T9	T8	T7	T6	T5	T4	T3	T2	T1
Legs	#122G - 1.50" - 1.00" conn. (Prod 207629)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)	#122G - 1.25" - 1.00" conn. (Prod 207628)
Leg Grade	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16
Diagonals	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16	L3x3x5/16
Diagonal Grade	A36	A36	A36	A36	A36	A36	A36	A36	A36	A36	A36	A36
Top Girts	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Mid Girts	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bottom Girts	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Horizontal	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Face Width (ft)	20	20	20	20	20	20	20	20	20	20	20	20
# Panels @ (ft)	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
Weight (K)	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9



DESIGNED APPURTENANCE LOADING

TYPE	ELEVATION	TYPE	ELEVATION
Beacon	252	17' crossarm w/ 2 devices	245
1/2" x 4' lightning rod	252	17' crossarm w/ 2 devices	195
10' Goal Post w/ 2 devices	252	17' crossarm w/ 2 devices	137

MATERIAL STRENGTH

GRADE	Fy	Fu	GRADE	Fy	Fu
A572-50	50 ksi	65 ksi	A36	36 ksi	58 ksi

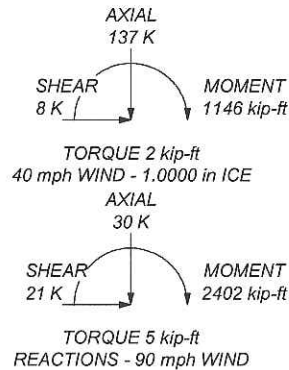
TOWER DESIGN NOTES

1. Tower is located in Tippecanoe County, Indiana.
2. Tower designed for Exposure C to the TIA-222-G Standard.
3. Tower designed for a 90 mph basic wind in accordance with the TIA-222-G Standard.
4. Tower is also designed for a 40 mph basic wind with 1.00 in ice. Ice is considered to increase in thickness with height.
5. Deflections are based upon a 60 mph wind.
6. Tower Structure Class II.
7. Topographic Category 1 with Crest Height of 0.00 ft
8. TOWER RATING: 67.3%

ALL REACTIONS
ARE FACTORED

MAX. CORNER REACTIONS AT BASE:

DOWN: 149 K
UPLIFT: -125 K
SHEAR: 15 K



valmont
STRUCTURES

Valmont Structures, Inc. - Specialty Structures Group

1545 Pidco Dr.
Plymouth, IN

Phone: (574) 936-4221
FAX: (574) 936-6458

Job: **Quotation 202886-02**

Project: **U-20.0 x 252' - Tippecanoe County, IN**

Client: Wind Energy Services Drawn by: WRH2 App'd:

Code: TIA-222-G Date: 12/06/13 Scale: NTS

Path: Dwg No. E-1